DOCUMENT RESUME

ED 114 148 JC 750 581

TITLE	Faculty Workload: Community Colleges, Fall 1975.
INSTITUTION	Hawaii Univ., Honolulu. Community Coll. System.
REPORT NO	CC-IRP-84
PUB DATE	Nov 75
NOTE	30p.; Not available in hard copy because a number of pages are printed on colored paper that will not reproduce
EDRS PRICE	MF-$0.76 Plus Postage. HC Not Available from EDRS.
DESCRIPTORS	*Class Size; *College Faculty; *Credits; Enrollment Trends; General Education; Instructional Programs; Intellectual Disciplines; *Junior Colleges; Student Enrollment; Tables (Data); *Teaching Load; Vocational Education
IDENTIFIERS	*Hawaii

ABSTRACT

This report organizes fall, 1975 registration data for the seven Hawaii community colleges in tabular form. The focus of the report is on faculty workload in terms of the classroom situation: credits and classes taught, student credit hours generated, and class size. There was a general increase in the number of courses, classes, credit hours, registration and student credit hours at all campuses. The number and proportion of classes with 10 or fewer students have declined at most colleges, while average class sizes are slightly larger. As in the past, average class size in general education courses is larger (30 students) than in vocational education courses (26 students). Average class size varies by campus, from 24-31. Faculty workload figures indicate a generally lighter load at the colleges compared to fall, 1974 and fall, 1973, especially in terms of credit hours taught and faculty-student ratios. The productivity ratios, however, show a slight increase at most of the colleges. A comparison with fall, 1974 data shows increases in the number of instructors at all colleges. Tables break down the data by institution and instructional subject areas. (Author/NHM)

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ED114143

UNIVERSITY OF HAWAII
OFFICE OF THE CHANCELLOR FOR COMMUNITY COLLEGES
Institutional Research Unit

CC-IRP 84
November, 1975

FACULTY WORKLOAD
COMMUNITY COLLEGES
FALL 1975

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION
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Introduction

Faculty workload is a critical element because it is one of the dimensions of the cost of operating a college and is related to the quality of education.

The dimensions of faculty workload are varied and numerous: the actual teaching of classes as measured in credit and contact hours, serving on committees, engaging in departmental research and curriculum development, responding to varied requests from the community, etc.

The focus of this report is on one aspect: workload in terms of the classroom situation, ie., credits and classes taught, student credit hours generated, class size, etc.

Sources of Data

SIS Computer Report 3010 and 3011 series (Course Registration Reports), which provide raw and summary data on faculty-student workload based on student credit hours were used as the primary documents for this report. (Data for these reports were abstracted from students' class registration data.) Computer reports 3030 (Schedule of Classes list) and Faculty-Staff Information System (FSIS) reports were used as reference points. Standard form 5Bs (personnel transaction forms) in the Chancellor's office were used to obtain a count on full-time equivalent faculty for staff on overload and for lecturers. The deans of instruction and/or the registrars of the colleges were also consulted for certain information.

Population Included

The information for this report is based on registration data including the following groups of students registered in the regular credit programs in seven community colleges: classified and unclassified students, early admittees, concurrent registrants, and other special students whose registration records are processed through the SIS. All computer reports are as of early October. The data have been "updated" since and where possible, certain changes have been made.

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Workload information on Hawaii Community College is included for the first time this fall. The increase in system totals in terms of number of classes, credit hours, student credit is partially affected by this.

Adjustments

Equivalent credits were established for classes with variable credits. The methodology differed, however, depending upon the kind of classes under consideration, e.g., directed studies, cooperative education, etc. (See Appendix A, Definitions.)

Highlights

1. A general increase in the number of courses, classes, credit hours, registration and student credit hours is noted at all campuses (Table I).

   a. This partially reflects this fall's general enrollment increase.

   b. At some campuses, however, the increases in the number of classes and registration count also reflect a greater number of classes scheduled on modular (short-term) segments.

2. The number and proportion of classes with 10 or fewer students have declined at most colleges (Table II).

   a. System wide, the 121 "low enrollment" classes is the lowest proportion (4.3 percent) in five years.

   b. Many of these small classes are held regardless of low enrollment because of graduation requirements, facility limitations, and accreditation requirements especially in the health services, etc.

3. Average class sizes are slightly larger at most of the colleges. As in the past, average class sizes in general education courses are larger (30 students) than those in vocational education courses (26 students). Average class sizes vary by campus: from 24-31* (Table III).

*John Lombardi's study on faculty workload indicates that generally average class sizes fluctuate between 25-60 with 35 as the average. John Lombardi, Faculty Workload, Topical Paper No. 46, California University, L.A., ERIC Clearinghouse for Junior College Information, National Institute of Education (DHEW) Washington, D. C. October 1974, pp. 18 and 19.

4. Faculty workload figures indicate a generally lighter load at the colleges compared to fall 1974 and fall 1973, especially in terms of credit hours taught and faculty-student ratios. The productivity ratios, however, show a slight increase at most of the colleges (Table IV).

a. Average credit hours taught range from 11.8 to 13.7 with 13.1 being the system average. (Last fall's range: 12.5 to 13.7; system, 13.3.)**

b. At several colleges, a slight increase in productivity ratios is noted in spite of a ligher credit load, reflecting slightly larger average class sizes. The ratios vary from 274 to 415. The system average is 355.**

5. The full-time equivalency (FTE) count of approximately one thousand people engaged in teaching credit courses this fall is 647.5; 350.8, (54 percent) in general education and the remaining 296.7 (46 percent) in vocational education (Table V).

A comparison with last fall's data (CC-IRP 72) shows increases in the number of instructors at all colleges, especially at Honolulu and Kapiolani Community Colleges while the FTE lecturer count is much larger at Leeward CC (40.7 compared to 24.8) and at Maui CC (9.3 compared to 5.1).

Summary

Instructional workload is slightly lighter this fall compared to last fall in terms of credit hours taught. However, average class sizes and productivity ratios are slightly larger. A considerable reduction in the number of small classes is evident.

**Lombardi states that 450 SCH or 15 credit hours were mandated by Michigan in 1971. ibid, p. 11.

TABLE I
COURSES, CLASSES, CREDIT, & STUDENT CREDIT HOURS
COMMUNITY COLLEGES
FALL 1971 - 1975

Note: System totals are not comparable between 1975 and previous years. Data on Hawaii Community College are included for the first time this fall.

College and Year	Courses	Classes	Credit Hours	Student Registrations	Student Credit Hours
TOTAL					
1971	867	1,731	5,101	44,112	133,513
1972	1,030	1,959	5,810	53,573	156,784
1973	1,083	2,074	6,032	57,582	166,763
1974	1,275	2,276	6,550	61,868	176,510
1975	1,653	2,805	8,473	78,948	229,573
HAWAII					
1975	238	283	1,002	6,820	21,353
HONOLULU					
1971	232	376	1,119	8,861	27,584
1972	242	395	1,259	10,164	31,320
1973	283	458	1,429	10,782	33,676
1974	319	484	1,553	12,322	38,951
1975	349	554	1,774	14,795	47,185
KAPIOLANI					
1971	160	343	1,073	10,669	33,156
1972	201	401	1,267	13,271	40,412
1973	199	435	1,270	15,072	44,034
1974	270	544	1,471	15,754	42,303
1975	300	573	1,600	17,916	48,285
KAUAI					
1971	89	116	393	2,623	8,669
1972	111	136	439	3,290	10,242
1973	101	133	441	3,344	10,165
1974	136	157	493	3,486	9,950
1975	178	191	547	4,451	11,940
LEEWARD					
1971	223	649	1,875	17,006	50,963
1972	262	654	1,912	18,376	53,933
1973	260	665	1,886	19,176	55,393
1974	279	690	1,970	20,744	59,625
1975	298	776	2,294	24,239	71,054
MAUI					
1971	163	247	641	4,953	13,141
1972	191	295	698	6,697	15,512
1973	169	267	669	6,363	15,136
1974	189	264	656	6,001*	14,857*
1975	201	264	765	6,787	17,813
WINDWARD					
1972	23	78	235	1,775	5,365
1973	71	116	337	2,845	8,359
1974	82	137	407	3,561	10,824
1975	89	164	491	3,940	11,943

*An additional 34 students' registration data for fall 1974 were not processed in time for the SER computer reports. Including the workload generated by these students, the totals would have been: Total SCH, 15,054; Registration Count, 6,094.

TABLE II
CLASSES WITH TEN OR FEWER STUDENTS
COMMUNITY COLLEGES
FALL 1971 - 1975

Note: System totals are not comparable between 1975 and previous years. Data on Hawaii Community College are included for the first time this fall.

College & Year	No. of Classes	Classes with Ten or Fewer Students	
		No.	Ht
TOTAL			
1971	1,731	130	7.5
1972	1,959	96	4.9
1973	2,074	123	5.9
1974	2,276	161	7.0
1975	2,805	121	4.3
HAWAII			
1975	283	15	5.3
HONOLULU			
1971	376	18	4.8
1972	395	14	3.5
1973	458	40	8.7
1974	484	37	7.6
1975	554	13	2.3
KAPIOLANI			
1971	343	15	4.4
1972	401	12	2.9
1973	435	14	3.2
1974	544	37	6.8
1975	573	31	5.4
KAUAI			
1971	116	16	13.8
1972	136	7	5.1
1973	133	13	9.8
1974	157	27	17.1
1975	191	11	5.8
LEEWARD			
1971	649	52	8.0
1972	654	39	5.9
1973	665	29	4.4
1974	690	25	3.6
1975	776	23	3.0
MAUI			
1971	247	29	11.7
1972	295	20	6.7
1973	267	25	9.3
1974	264	33	12.5
1975	264	20	7.6
WINDWARD			
1972	78	4	5.1
1973	116	2	1.7
1974	137	2	1.4
1975	164	8	4.9

TABLE III
AVERAGE CLASS SIZE, BY PROGRAM*
COMMUNITY COLLEGES
FALL 1971 - 1975

Note: System totals are not comparable between 1975 and previous years. Data on Hawaii Community College are included for the first time this fall.

College and Year	TOTAL	General & Pre-Prof Courses	Vocational-Tech Courses
	Average Class Size	Average Class Size	Average Class Size
TOTAL			
1971	25	28	22
1972	27	29	25
1973	28	29	25
1974*	28	29	25
1975*	28	30	26
HAWAII			
1975	24	27	23
HONOLULU			
1971	24	27	20
1972	26	29	22
1973	24	26	21
1974	26	27	24
1975	27	27	26
KAPIOLANI			
1971	31	35	28
1972	33	36	31
1973	35	37	32
1974	29	31	27
1975	31	31	30
KAUAI			
1971	23	25	19
1972	24	26	22
1973	25	26	24
1974	22	23	21
1975	23	24	22
LEEWARD			
1971	26	28	21
1972	28	30	23
1973	29	30	25
1974	31	33	27
1975	31	33	26
MAUI			
1971	20	20	19
1972	23	24	21
1973	24	26	20
1974	24	25	23
1975	26	28	22
WINDWARD			
1972	23	24	13
1973	25	24	26
1974	26	26	23
1975	24	24	18

*The computation of average class size for 1974 and 1975 excludes certain classes such as Directed Studies, Cooperative Education, etc.

TABLE IV
AVERAGE CREDIT HOURS TAUGHT,
PRODUCTIVITY AND FACULTY-STUDENT RATIOS
FALL 1971-1975

Note: System totals are not comparable between 1975 and previous years. Data on Hawaii Community College are included for the first time this fall.

College & Year	FTE Instructors	Credit Hours Taught		Productivity Ratio*		Ratio: FTE Instructor :FTE Students**	
		TOTAL	Average	TOTAL SCH	Average	Students	Ratio
TOTAL							
1971	386.2	5,101	13.2	133,513	346	9,721	1:25
1972	427.7	5,810	13.6	156,784	367	11,030	1:26
1973	449.4	6 032	13.4	166,763	371	11,918	1:27
1974	492.7	6 550	13.3	176,510	358	11,600	1:24
1975	647.5	8,473	13.1	229,573	355	15,071	1:23
HAWAII							
1975	72.9	1,002	13.7	21,353	293	1,336	1:18
HONOLULU							
1971	88.6	1,119	12.6	27,584	311	1,907	1:22
1972	91.8	1,259	13.7	31,320	341	2,145	1:23
1973	103.8	1,429	13.8	33,676	324	2,346	1:23
1974	113.0	1,553	13.7	38,951	345	2,575	1:23
1975	134.3	1,774	13.2	47,185	351	3,130	1:23
KAPIOLANI							
1971	83.8	1,073	12.8	33,156	396	2,384	1:28
1972	96.4	1,267	13.1	40,412	419	2,693	1:28
1973	101.9	1,270	12.4	44,034	432	3,066	1:30
1974	110.9	1,471	13.3	42,303	381	2,769	1:25
1975	123.8	1,600	12.9	48,285	390	3,203	1:26
KAUAI							
1971	28.6	393	13.7	8,669	303	617	1:22
1972	33.2	439	13.2	10,242	308	695	1:21
1973	31.9	441	13.8	10,165	319	702	1:22
1974	37.5	493	13.1	9,950	265	642	1:17
1975	41.2	547	13.3	11,940	290	768	1:19
LEEWARD							
1971	134.7	1,875	13.9	50,963	378	3,903	1:29
1972	138.1	1,912	13.8	53,933	391	4,046	1:29
1973	135.1	1,886	14.0	55,393	410	4,167	1:31
1974	148.6	1,970	13.3	59,625	401	3,932	1:27
1975	171.3	2,294	13.4	71,054	415	4,703	1:27
MAUI							
1971	50.5	641	12.7	13,141	260	910	1:18
1972	52.3	698	13.3	15,512	297	1,038	1:20
1973	52.9	669	12.6	15,136	286	1,012	1:19
1974	52.4	656	12.5	14,897	284	974	1:19
1975	65.1	765	11.8	17,813	274	1,145	1:18
WINDWARD							
1972	15.9	235	14.7	5,365	337	413	1:26
1973	23.8	337	14.2	8,359	351	625	1:26
1974	30.3	407	13.4	10,824	357	707	1:23
1975	38.9	491	12.6	11,943	307	786	1:20

*See Appendix A for defintion. Computed by dividing total SCH by FTE instructor.

**FTE count of students based on regular students, only.

TABLE V
HEAD*AND FTE COUNT, INSTRUCTORS ONLY
COMMUNITY COLLEGES
FALL 1975

College	TOTAL		HAWAII		HONOLULU		KAPIOLANI		KAUAI		LEEWARD		MAUI		WINDWARD	
	FTE Count	Head-count	FTE Count	Head-count	FTE Count	Head-count	FTE Count	Head-count	FTE Count	Head-count	FTE Count	Head-count	FTE Count	Head-count	FTE Count	Head-count
TOTAL	647.5	1,015	72.9	105	134.3	205	123.8	211	41.2	59	171.3	282	65.1	90	38.9	63
Instructors**	489.0	506	57.8	60	105.0	106	92.5	98	34.7	35	118.3	121	53.3	55	27.4	31
Lecturers	127.6	365	14.9	44	20.0	61	25.1	80	6.5	24	40.7	106	9.3	23	11.1	27
Overload***	24.7	122			7.6	34	5.5	30			9.3	43	1.9	10	.4	5
Non-Instr†	6.2	22	.2	1	1.7	4	.7	3			3.0	12	.6	2		
GENERAL ED	350.8	577	18.3	35	67.0	105	51.6	96	20.6	32	125.8	206	32.9	45	34.6	58
Instructors**	244.0	252	9.7	10	50.0	50	34.0	36	16.0	16	86.3	88	24.3	25	23.7	27
Lecturers	86.5	223	8.6	25	11.8	32	13.4	38	4.6	16	30.6	73	7.0	13	10.5	26
Overload***	10.1	85			5.1	22	3.5	19			6.1	34	1.0	5	.4	5
Non-Instr†	4.2	17			.1	1	.7	3			2.8	11	.6	2		
VOC-TECH ED	296.7	438	54.6	70	67.3	100	72.2	115	20.6	27	45.5	76	32.2	45	4.3	5
Instructors**	245.0	254	48.1	50	55.0	56	58.5	62	18.7	19	32.0	33	29.0	30	3.7	4
Lecturers	41.1	142	6.3	19	8.2	29	11.7	42	1.9	8	10.1	33	2.3	10	.6	1
Overload***	8.6	37			2.5	12	2.0	11			3.2	9	.9	5		
Non-Instr†	2.0	5	.2	1	1.6	3					.2	1				

*Duplicated headcount: lecturers teaching at more than one campus are counted two or more times; instructors on overload are also included in the regular instructors' count.

**Includes division/department chairman/instructor-coordinators, full- and part-time instructors.

***Overload includes only those who were compensated for instructing credit classes. Excludes overload payments made for activities such as student advising, curriculum development and extra contact hours such as reading labs, science labs, etc.

†Includes counselors, deans, and other non-teaching professional staff members teaching credit courses.

TABLE Ia
COURSES, CLASSES, CREDIT, & STUDENT CREDIT HOURS, BY SUBJECT AREA
HAWAII COMMUNITY COLLEGE
FALL 1975

Subject Area	Courses	Classes* No.	Classes* Ave Size	Credit Hours	Student Regis.	Student Cr. Hours
TOTAL	238	283	24	1,002	6,820	21,353
GENERAL & PRE-PROF EDUCATION COURSES	80	103	27	280	2,759	7,271
Humanities	25	43	24	129	1,022	2,929
Art	8	6	30	10	121	363
English	8	23	23	67	509	1,479
English as a Second Language	2	2	20	6	41	121
History	2	1	37	3	37	111
Japanese	1	2	27	6	54	162
Music	2	2	44	4	87	174
Speech	2	8	23	24	173	519
Natural Sciences	22	26	26	83	672	2,131
Mathematics	12	14	23	46	337	1,071
Natural Science	6	7	33	22	234	737
Physical Science	2	2	18	6	36	106
Physics	2	3	25	9	76	228
Social Sciences	27	22	40	90	873	1,919
Economics	1	1	27	3	27	81
Hawaiian Studies	15	10	42	34	419	857
Psychology	3	6	38	15	189	567
Social Science	2	2	32	6	63	189
Sociology	6	4	44	12	175	525
Other	6	12	16	18	192	292
Recreation	2	2	23	6	46	138
Special Studies	4	10	15	12	146	154
VOCATIONAL EDUCATION COURSES	158	180	23	722	4,061	14,082
Business Education	48	79	25	281	1,977	6,377
Accounting	7	11	25	38	276	889
Data Processing	11	11	17	31	189	537
General Business	11	22	26	88	673	1,719
Sales & Management	8	8	33	46	265	765
Hotel Operations	2	2	20	8	77	231
Merchandising	7	5	30	37	178	534
Secretarial and Related	10	37	25	90	884	2,457
Business Machines	3	10	23	28	228	672
Office Procedures	2	4	28	15	110	413
Shorthand	2	3	22	16	67	336
Typing	3	10	28	30	279	837
Food Service	9	8	20	25	163	469
Health Service	4	7	12	32	87	606
Nursing	2	4	11	28	65	312
Practical Nursing	2	3	14	24	42	294

HAWAII COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes*		Credit Hours	Student Regis.	Student Cr. Hours
		No.	Ave Size			
Public Service	12	12	36	48	430	1,224
Fire Science	3	3	20	15	70	210
Nursery School Training	2	2	21	3	41	57
Police Science	8	8	37	30	319	887
Technology	83	74	19	306	1,371	5,307
Agriculture	17	14	33	48	317	1,013
Architectural Drafting	7	2	26	18	62	300
Auto Body Repair & Painting	4	4	15	24	62	372
Auto Mechanic Technology	12	12	17	24	207	396
Blueprint Reading	2	4	21	12	84	252
Carpentry	4	4	18	24	72	432
Diesel Mechanic	4	4	15	24	60	348
Electricity	4	4	19	24	76	456
Electronics Technology	4	4	16	22	63	333
Home Economics	13	10	30	30	204	588
Machine Shop	4	4	13	24	48	276
Orientation	4	4	17	10	68	170
Welding	4	4	16	24	62	372
Other: Cooperative Education	2			10	33	99

*Excludes certain classes such as Cooperative Education.

Sources: SIR Computer Reports 3010, 3011, October 15, 1975; Office of the Dean of Instruction.

TABLE IIa
CLASSES WITH TEN OR FEWER STUDENTS
HAWAII COMMUNITY COLLEGE
FALL 1975

Subject Area	No. of Classes
TOTAL	15 (5.3%)
GENERAL & PRE-PROF ED COURSES	2
English	1
Special Studies	1
VOCATIONAL EDUCATION COURSES	13
Business Education	4
Data Processing	3
General Business	1
Health Service: Nursing	2
Technology	7
Auto Body Repair & Painting	2
Electronics Technology	1
Home Economics	2
Machine Shop Technology	2

Sources: SER Commuter Report 3011B, October 15, 1975;
Office of the Dean of Instruction.

TABLE Ib
COURSES, CLASSES, CREDIT, & STUDENT CREDIT HOURS, BY SUBJECT AREA
HONOLULU COMMUNITY COLLEGE
FALL 1975

Subject Area	Courses	Classes*		Credit Hours	Student Regis.	Student Cr. Hours
		No.	Ave Size			
TOTAL	349	554	27	1,774	14,795	47,185
GENERAL & PRE-PROF EDUCATION COURSES	148	330	27	992	8,942	27,049
Humanities	72	160	24	491	3,871	11,765
Art	17	27	19	91	527	1,699
Asian/Pacific Languages	8	10	22	33	218	728
Hawaiian	3	3	21	9	64	192
Japanese	4	6	23	21	137	485
Japanese Literature	1	1	17	3	17	51
Drama	2	2	22	6	43	129
English	16	55	24	165	1,316	3,948
English	13	47	25	141	1,154	3,462
Linguistics	1	1	30	3	30	90
Reading	2	7	19	21	132	396
English Language Institute	1	1	27	3	27	81
History	7	22	30	66	657	1,971
Humanities	5	5	22	15	108	324
Journalism	2	2	17	6	33	99
Music	4	6	24	18	144	392
Philosophy	2	7	35	21	247	741
Religion	3	8	30	24	239	717
Speech	5	15	21	45	312	936
Natural Sciences	44	103	29	301	3,022	9,155
Botany	2	3	35	11	105	377
Chemistry	9	17	21	41	352	864
Geoscience	1	1	25	4	25	100
Mathematics	13	51	31	146	1,596	4,841
Microbiology	3	6	31	14	184	468
Oceanography	1	4	52	12	206	618
Physical Science	1	3	17	12	51	204
Physics	9	11	27	35	297	929
Science	1	1	31	4	31	124
Zoology	4	6	29	22	175	630
Social Sciences	31	67	30	196	2,035	6,073
American Studies	1	1	33	3	33	99
Anthropology	3	7	27	18	180	537
Economics	4	6	35	18	209	627
Ethnic Studies	2	4	25	12	99	297
Geography	4	8	27	24	217	651
Human Development	5	9	28	25	249	718
Political Science	3	5	29	15	146	436
Psychology	3	14	30	42	420	1,260
Social Science	4	5	42	15	212	636
Sociology	2	8	34	24	271	813
Other: Cooperative Arts/Science Ed	1			4	14	56

HONOLULU COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes* No.	Classes* Ave Size	Credit Hours	Student Regis.	Student Cr. Hours
VOCATIONAL EDUCATION COURSES	201	224	26	782	5,853	20,136
Business Education	5	6	24	12	143	295
Business	1	1	27	3	27	81
Computer Science	4	5	23	9	116	214
Food Service: Commercial Baking	5	2	24	18	47	420
Health Service: Health Foundations	2	3	18	3	53	53
Industrial Education	6	5	16	15	88	264
Public Service	37	47	34	142	1,582	5,059
Education	4	5	15	13	77	208
Fire Science	7	14	33	42	457	1,371
Occupational Safety & Health	2	4	44	12	177	531
Paraprofessional Human Services	18	12	39	39	466	1,734
Police Science	6	12	34	36	405	1,215
Technology	146	161	24	592	3,940	14,045
Aeronautics	4	2	20	7	40	120
Architectural Drafting Technology	6	10	26	39	247	933
Auto Body Repair & Painting	8	10	29	39	311	1,047
Auto Mechanics Technology	15	20	23	82	481	1,917
Aviation Maintenance Technology	8	8	32	37	174	850
Aviation Technology	2	2	16	5	32	79
Blueprint Reading	4	8	25	23	201	594
Carpentry	7	6	33	16	176	576
Cosmetology	13	7	48	37	339	1,354
Electronics Technology	24	27	20	81	558	1,690
Engineering Technology	7	7	14	23	103	345
Fashion Design & Merchandising	10	10	22	29	234	642
Food Nutritional Science	1	2	16	6	31	93
Heavy Equipment Maintenance & Rep	2	2	23	21	48	468
Home Economics	1	1	23	3	23	69
Industrial Electricity	6	5	28	18	119	392
Machine Shop Technology	6	8	14	40	111	447
Refrigeration & Air Conditioning	5	5	34	24	171	819
Safety	1	1	21	2	21	42
Sheet Metal Plastics	7	7	27	24	191	667
Welding	9	14	24	36	339	901

*Excludes certain classes such as Cooperative Education.

Sources: SER Computer Reports 3010, 3011, October 15, 1975; Office of the Dean of Instruction.

TABLE IIb
CLASSES WITH TEN OR FEWER STUDENTS
HONOLULU COMMUNITY COLLEGE
FALL 1975

Subject Area	No. of Classes*
TOTAL	13 (2.3%)
GENERAL & PRE-PROF ED COURSES	3
Humanities	2
Journalism	1
Speech	1
Natural Science: Math	1
VOCATIONAL EDUCATION COURSES	10
Public Service: PPHS	2
Technology	8
Blueprint Reading	1
Electronic Technology	2
Engineering Technology	2
Machine Shop Technology	3

*Several of these classes are federally funded and are held for students in the PPHS program.

Sources: SER Computer Report 3011B, October 15, 1975; Office of the Dean of Instruction.

TABLE Ic
COURSES, CLASSES, CREDIT, & STUDENT CREDIT HOURS, BY SUBJECT AREA
KAPIOLANI COMMUNITY COLLEGE
FALL 1975

Subject Area	Courses	Classes* No.	Classes* Ave Size	Credit Hours	Student Regis.	Student Cr. Hours
TOTAL	300	573	31	1,600	17,916	48,285
GENERAL & PRE-PROF EDUCATION COURSES	153	291	31	749	9,360	23,965
Humanities	76	179	29	403	5,366	12,251
Art	8	15	28	33	423	997
Asian/Pacific Language: Japanese	2	4	28	16	110	440
Drama	3	3	29	9	88	264
English	28	81	28	126	2,276	3,539
English Language Institute	3	8	19	24	152	456
European Languages	2	2	24	8	48	192
French	1	1	26	4	26	104
Spanish	1	1	22	4	22	88
History	9	33	42	64	974	2,662
Humanities	1	2	37	6	74	222
Journalism	3	2	20	7	43	129
Music	7	9	23	19	207	417
Philosophy	3	5	41	15	207	621
Religion	2	6	45	18	271	813
Speech/Communication	5	19	26	58	493	1,499
Speech	4	18	26	54	466	1,391
Communication	1	1	27	4	27	108
Natural Sciences	30	54	37	170	1,979	6,364
Biology	3	6	50	21	302	1,072
Botany	1	1	41	3	41	123
Chemistry	6	7	21	13	146	328
Mathematics	10	23	35	74	809	2,559
Business Analysis & Stats	1	1	26	3	26	78
Mathematics	9	22	36	71	783	2,481
Microbiology	1	3	52	9	155	465
Oceanography	1	2	46	6	91	273
Physics	1	2	35	6	70	210
Science	5	8	35	31	286	1,061
Zoology	2	2	40	7	79	273
Social Sciences	43	51	32	168	1,881	5,207
American Studies	14	8	35	12	280	410
Anthropology	2	4	41	12	165	495
Economics	3	3	42	10	128	386
Ethnic Studies	1	2	37	6	80	240
Geography	4	3	37	10	113	339
Guidance	3	3	16	10	49	147
Human Potential	1	4	9	4	37	37
Political Science	3	3	41	10	126	381
Psychology	7	11	41	44	442	1,341
Social Sciences	3	3	38	37	172	560
Sociology	3	7	41	23	289	871
Other: Health & Physical Education[a]	4	7	19	8	134	143

KAPIOLANI COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes*		Credit Hours	Student Regis.	Student Cr. Hours
		No.	Ave Size			
VOCATIONAL EDUCATION COURSES	147	282	30	851	8,556	24,320
Business Education	83	175	37	495	6,477	17,436
Accounting	10	26	38	96	981	3,610
Computer Science	20	37	21	70	788	1,900
Computer Science	2	4	37	12	147	441
Data Processing	18	33	19	58	641	1,459
General Business	11	31	40	133	1,392	4,271
Sales & Management	10	20	38	57	760	2,220
Hotel Operations	5	12	36	33	435	1,245
Merchandising	5	8	41	24	325	975
Secretarial & Related	32	61	42	139	2,556	5,435
Business Machines	4	19	39	33	737	1,307
Office Procedures	6	16	35	38	561	1,272
Shorthand	9	10	39	34	394	1,270
Typewriting	13	16	54	34	864	1,586
Food Service	12	28	23	136	653	3,037
Health Service	46	71	18	196	1,255	3,334
Dental Assisting	8	14	15	19	205	281
Dietetic Technology	1	1	23	3	23	69
Health Foundations	7	13	29	18	374	515
Medical Assistant	2	2	20	8	40	160
Medical Lab Technology	6	7	13	18	93	238
Medical Records Technology	3	4	7	12	26	78
Nursing	5	12	15	67	179	982
Nurses Aide Training	1	2	8	16	15	120
Practical Nursing	4	10	16	51	164	862
Occupational Therapy Assistant	4	8	10	16	80	200
Radiologic Technology	8	8	23	26	185	586
Respiratory Therapy	2	2	25	9	50	225
Public Service: Law	6	8	21	24	171	513

*Excludes certain classes such as Cooperative Education.

Sources: SER Computer Reports 3010, 3011, October 15, 1975, Office of the Dean of Instruction.

TABLE IIb
CLASSES WITH TEN OR FEWER STUDENTS
KAPIOLANI COMMUNITY COLLEGE
FALL 1975

Subject Area	No. of Classes*	
TOTAL	31	(5.4%)
GENERAL & PRE-PROF EDUCATION	4	
Chemistry	2	
Human Potential	2	
VOCATIONAL EDUCATION	27	
Data Processing	3	
Food Service	2	
Health Service	22	
Dental Assisting	9	
Medical Lab Tech	1	
Medical Records Tech	3	
Nurses Aide Training	1	
Practical Nursing	2	
Occupational Therapy Assistant	6	

*These small classes exist for varied reasons: (1) classes offered in spite of low enrollment to provide for second year students; (2) maximum class size limited due to accreditation requirements or limited physical facilities, especially in health programs; (3) internships; (4) classes scheduled for the second module; more students are expected to enroll at that time.

Sources: SER Computer Report 3011B, October 15, 1975; Office of the Dean of Instruction.

TABLE Id
COURSES, CLASSES, CREDIT, & STUDENT CREDIT HOURS, BY SUBJECT AREA
KAUAI COMMUNITY COLLEGE
FALL 1975

Subject Area	Courses	Classes* No.	Classes* Ave Size	Credit Hours	Student Regis.	Student Cr. Hours
TOTAL	178	191	23	547	4,451	11,940
GENERAL & PRE-PROF EDUCATION COURSES	96	110	24	292	2,651	7,440
Humanities	56	67	23	167	1,540	4,079
Art	17	10	23	30	230	690
Asian/Pacific Languages	3	4	24	12	98	288
Hawaiian	*1*	*1*	*24*	*4*	*47*	*141*
Ilokano	*1*	*1*	*22*	*3*	*22*	*66*
Japanese	*1*	*1*	*27*	*3*	*27*	*81*
Drama	1	2	21	6	42	126
English	22	31	30	66	812	1,246
History	6	7	31	21	220	660
Music	1	3	45	6	89	267
Philosophy	3	2	25	6	49	147
Religion	1	3	21	6	62	186
Speech-Communication	3	7	20	25	140	469
Natural Sciences	19	23	22	70	496	1,546
Biology	3	3	19	9	58	194
Botany	2	1	26	4	26	104
Chemistry	2	2	12	4	24	48
Mathematics	7	12	24	38	288	870
Physics	2	2	14	4	28	56
Technical Science	1	1	23	3	23	69
Zoology	2	2	25	8	49	196
Social Sciences	20	19	32	54	600	1,800
Anthropology	5	4	31	9	122	366
Economics	1	1	47	3	47	141
Geography	1	1	30	3	30	90
Orientation	1	1	23	3	23	69
Psychology	4	6	29	16	146	438
Social Sciences	3	3	39	6	78	234
Sociology	6	6	31	16	164	462
Other: Health & Physical Education	1	1	15	1	15	15
VOCATIONAL EDUCATION COURSES	82	81	22	255	1,800	4,500
Business Education	36	48	22	74	1,060	1,650
Accounting	7	8	16	16	116	350
Secretarial & Related	29	40	34	58	944	1,400
Business	*26*	*26*	*31*	*42*	*642*	*961*
Shorthand	*2*	*2*	*19*	*4*	*37*	*74*
Typewriting	*9*	*13*	*30*	*12*	*365*	*365*
Health Services	2	4	10	42	39	420
Nursing	1	2	8	18	18	144
Practical Nursing	1	2	12	24	23	276
Public Services	4	4	46	12	185	555
Fire Science	1	1	43	3	43	129
Police Science	3	3	47	9	142	426
Technology	39	25	20	121	495	1,816
Architectural Drafting Technology	4	3	9	3	28	30
Auto Body Repair & Painting	3	3	16	14	32	224
Auto Mechanics Technology	15	4	37	31	149	454
Blueprint Reading	3	3	20	9	60	180
Carpentry	3	6	9	28	47	339
Drafting Technology	6	2	31	12	62	136
Electricity	3	2	20	6	39	117
Machine Shop Technology	1	1	20	3	20	40
Welding	3	3	19	16	58	306
Other: Cooperative Vocational Ed	1			6	21	59

*Excludes certain classes such as Cooperative Education.

Sources: SER Computer Reports 3010, 3011, October 15, 1975; Office of the Dean of Instruction.

TABLE IId
CLASSES WITH TEN OR FEWER STUDENTS
KAUAI COMMUNITY COLLEGE
FALL 1975

Subject Area	No. of Classes
TOTAL	11 (5.8%)
GENERAL & PRE-PROF ED COURSES	4
Humanities: English	1
Natural Science	3
Biology	1
Math	2
VOCATIONAL EDUCATION COURSES	7
Business Education: Business	4
Health Service: Nursing	2
Technology: Architectural Drafting	1

Sources: SER Computer Report 3011B, October 15, 1975;
Office of the Dean of Instruction.

TABLE Ie
COURSES, CLASSES, CREDIT, & STUDENT CREDIT HOURS, BY SUBJECT AREA
LEENARD COMMUNITY COLLEGE
FALL 1975

Subject Area	Courses	Classes* No.	Classes* Ave Size	Credit Hours	Student Regis.	Student Cr. Hours
TOTAL	298	776	31	2,294	24,239	71,054
GENERAL & PRE-PROF EDUCATION COURSES	196	573	33	1,671	18,878	55,249
Humanities	104	323	29	939	9,501	27,911
Art	10	19	32	57	612	1,836
Asian and Pacific Languages	7	20	24	76	475	1,805
Chinese	1	1	18	4	18	72
Hawaiian	2	4	24	12	95	285
Japanese	4	15	24	60	362	1,448
Drama	5	7	22	21	152	456
English	16	119	25	357	2,972	8,913
English	7	64	27	192	1,754	5,262
Literature	6	17	27	51	454	1,359
Reading	3	38	20	114	764	2,292
English as a Second Language	3	3	21	9	63	189
European Languages	10	15	22	53	326	1,183
French	2	4	16	15	64	245
German	2	2	33	7	45	170
Spanish	4	7	22	25	153	576
Language Arts	2	2	32	6	64	192
History	6	40	41	120	1,643	4,926
Inter-Disciplinary Humanities	1	1	34	3	34	102
Journalism	3	4	15	12	61	183
Music	32	39	25	63	974	1,748
Philosophy	3	14	44	42	616	1,848
Religion	2	18	43	54	776	2,331
Speech-Communications	5	24	33	72	797	2,391
Natural Sciences	37	95	38	280	3,646	11,005
Biology	5	6	37	19	221	690
Botany	2	2	45	8	89	356
Chemistry	4	7	38	28	268	1,072
Mathematics	15	56	33	147	1,863	5,058
Business Analysis & Stats	2	5	37	15	185	555
Mathematics	13	51	33	132	1,678	4,503
Microbiology	1	3	46	9	138	414
Oceanography	2	11	56	35	617	1,878
Physics	5	6	42	18	252	745
Science	2	3	46	12	139	556
Zoology	1	1	59	4	59	236
Social Sciences	38	137	38	409	5,179	14,881
American Studies	2	2	52	6	104	312
Anthropology	2	14	45	42	635	1,905
Economics	4	18	42	54	764	2,262
Geography	8	14	38	18	525	677
Human Development	2	4	40	12	158	474
Inter-Disciplinary Social Sciences	13	24	28	84	677	2,273
Political Science	1	11	37	33	408	1,224
Psychology	4	34	37	102	1,244	3,732
Sociology	3	16	42	48	674	2,022
Other	17	18	31	43	552	1,452
Health & Physical Education	15	16	32	39	514	1,376
Interdisciplinary Studies	2	2	19	4	38	76

LEENARD COMMUNITY COLLEGE (CONTINUED)

Subject Area	Courses	Classes* No.	Classes* Ave Size	Credit Hours	Student Regis.	Student Cr. Hours
VOCATIONAL EDUCATION COURSES	102	203	26	623	5,361	15,805
Business Education	35	119	32	346	3,855	10,769
Accounting	6	20	41	63	815	2,445
Computer Science	6	21	31	63	647	1,941
Sales & Management: Management	3	6	38	18	213	639
Secretarial & Related	30	72	30	202	2,180	5,744
Business	12	41	29	145	1,272	4,084
Shorthand	3	7	38	21	194	582
Typewriting	5	24	30	36	714	1,078
Education	9	7	24	21	169	507
Creative Arts	7	5	19	15	95	285
Outdoor Recreation	2	2	37	6	74	222
Food Service	9	11	14	63	156	889
Public Service: Library Tech	7	8	13	17	107	216
Technology	42	58	19	176	1,074	3,424
Auto Mechanics Technology	17	25	20	78	510	1,757
Drafting Technology	18	23	16	66	371	1,110
Marine Technology	7	10	19	32	193	557

*Excludes certain classes such as Cooperative Education.

Sources: SER Computer Reports 3010, 3011, October 15, 1975; Office of the Dean of Instruction.

TABLE IIe
CLASSES WITH TEN OR FEWER STUDENTS
LEEWARD COMMUNITY COLLEGE
FALL 1975

Subject Area	No. of Classes
TOTAL	23 (3.0%)
GENERAL & PRE-PROF ED COURSES	16
Humanities	15
Asian/Pacific Language: Hawaiian	1
English	1
German	1
Journalism	2
Music	8*
Reading	2**
Social Sciences: ISS	1
VOCATIONAL EDUCATION COURSES	7
Business Education: Shorthand	1
Education: Creative Arts	1
Food Service	3
Public Service: Library Technology	1
Technology: Drafting Technology	1

*Five of these classes are group piano lessons. Only 10 pianos are available.

**Second eight weeks offering.

Sources: SER Computer Report 3011B, October 15, 1975; Office of the Dean of Educational Services.

TABLE II
COURSES, CLASSES, CREDIT, & STUDENT CREDIT HOURS, BY SUBJECT AREA
MAUI COMMUNITY COLLEGE
FALL 1975

Subject Area	Courses	Classes*		Credit Hours	Student Regis.	Student Cr. Hours
		No.	Ave Size			
TOTAL	201	264	26	765	6,787	17,813
GENERAL & PRE-PROF EDUCATION COURSES	108	151	28	431	4,257	10,900
Humanities	41	65	27	188	1,742	4,820
Art	7	10	30	30	197	591
Asian/Pacific Language: Japanese	3	4	14	15	54	210
Drama	3	2	23	6	43	129
English	5	19	30	57	570	1,660
English as a Second Language	6	3	50	3	150	150
European Language: Spanish	6	4	18	10	73	191
History	3	7	37	21	259	777
Journalism	2	2	13	8	26	104
Music	2	3	18	5	53	86
Philosophy	1	2	48	6	96	288
Religion	1	1	48	3	48	144
Speech	3	8	21	24	167	501
Natural Sciences	34	35	29	99	1,027	2,542
Biology	5	5	28	20	141	564
Chemistry	2	2	22	8	44	176
Geoscience	1	1	11	4	11	44
Mathematics	19	18	35	42	621	1,196
Oceanography	3	4	30	10	118	287
Physics	2	2	14	7	27	95
Science	2	3	22	8	65	180
Social Sciences	20	38	28	86	1,062	2,544
Anthropology	2	4	41	12	164	492
Economics	3	4	34	11	135	370
Geography	4	7	24	9	169	189
Orientation	1	7	18	7	128	128
Political Science	2	3	23	9	70	203
Psychology	4	8	30	23	240	694
Social Science	2	2	25	6	50	150
Sociology	2	3	35	9	106	318
Other	13	13	23	58	426	994
Cooperative Arts/Science Education	3			8	26	74
Directed Studies	3			27	95	265
Interdisciplinary Studies	3	5	35	15	175	525
Recreation	4	8	16	8	130	130

MAUI COMMUNITY COLLEGE (CONTINUED)

Subject Area	Course	Classes*		Credit Hours	Student Regis.	Student Cr. Hours
		No.	Ave Size			
VOCATIONAL EDUCATION COURSES	93	113	22	334	2,530	6,913
Business Education	42	61	25	158	1,523	3,871
Accounting	5	6	55	13	328	680
Sales & Management: Hotel Op	12	14	21	45	288	914
Secretarial & Related	25	41	22	100	907	2,277
Business	16	28	21	61	622	1,383
Secretarial Science	2	4	24	11	98	268
Shorthand	4	3	20	13	61	254
Typewriting	3	5	26	15	128	384
Health Service: Nursing	2	3	15	25	45	371
Public Service: Police Science	2	2	42	6	84	252
Technology	44	47	18	134	844	2,318
Agriculture	2	2	47	7	93	330
Apparel Design & Construction	5	5	16	13	83	214
Architectural Drafting	5	4	12	14	59	201
Auto Body Repair & Painting	4	3	13	17	40	224
Auto Mechanics Technology	4	4	18	14	73	256
Blueprint Reading	1	2	15	6	29	87
Building Trades	9	10	19	16	187	312
Carpentry	8	10	18	26	176	412
Industrial Technology	3	4	12	11	48	141
Safety	2	2	23	2	46	46
Welding	1	1	12	8	12	96
Other	3			11	34	101
Cooperative Vocational Ed	2			10	32	96
Work Practicum	1			1	2	6

*Excludes certain classes such as Cooperative Education.

Sources: SER Computer Reports 3010, 3011, October 15, 1975; Office of the Dean of Students.

TABLE VIf
CLASSES WITH TEN OR FEWER STUDENTS
MAUI COMMUNITY COLLEGE
FALL 1975

Subject Area	No. of Classes*
TOTAL	20 (7.6%)
GENERAL & PRE-PROF ED COURSES	10
Humanities	7
Japanese	2
Journalism	1
Spanish	3
Speech	1
Natural Science: Math	2
Social Science: Geography	1
VOCATIONAL EDUCATION COURSES	10
Business Education	9
Business	2
Hotel Operations	5
Shorthand	2
Technology: Industrial Tech	1

*Some of these classes are offered in spite of low enrollment to meet the needs of transfer students and to meet associate degree requirements.

Sources: SER Computer Report 3011B, October 15, 1975; Office of the Dean of Students.

TABLE Ig
COURSES, CLASSES, CREDIT, & STUDENT CREDIT HOURS, BY SUBJECT AREA
WINDWARD COMMUNITY COLLEGE
FALL 1975

Subject Area	Courses	Classes* No.	Classes* Ave Size	Credit Hours	Student Regis.	Student Cr. Hours
TOTAL	89	164	24	491	3,940	11,943
GENERAL & PRE-PROF EDUCATION COURSES	82	153	24	452	3,740	11,343
Humanities	38	80	24	236	1,952	5,838
Art	3	8	19	24	150	450
Asian/Pacific Languages	4	7	19	25	135	477
Hawaiian	2	3	21	9	63	189
Japanese	2	4	18	16	72	288
English	11	26	25	78	654	1,962
English	9	19	26	57	496	1,488
Reading	2	7	23	21	158	474
History	5	13	32	39	422	1,266
Journalism	1	1	11	3	11	33
Music	7	8	18	16	146	348
Philosophy	3	6	27	18	163	489
Religion	2	6	20	18	169	507
Speech-Communications	2	5	20	15	102	306
Communications	1	4	22	12	87	261
Speech	1	1	15	3	15	45
Natural Sciences	14	25	24	90	603	2,148
Biology	2	3	24	9	73	219
Botany	1	2	30	8	40	160
Geoscience	1	1	22	4	22	88
Mathematics	6	11	25	40	271	971
Oceanography	1	3	26	9	78	234
Science	3	5	24	20	119	476
Social Sciences	15	29	31	87	887	2,661
Anthropology	3	7	32	21	225	675
Ethnic Studies	2	2	30	6	59	177
Geography	3	3	24	9	73	219
Political Science	3	6	29	18	176	528
Psychology	2	6	34	18	202	606
Sociology	2	5	30	15	152	456
Other	15	19	16	39	298	696
Health & Physical Education	7	9	10	9	99	99
Interdisciplinary Studies	8	10	20	30	199	597
VOCATIONAL EDUCATION COURSES	7	11	18	39	200	600
Business Education	7	11	18	39	200	600
Business	2	3	20	9	59	177
Shorthand	1	2	16	6	32	96
Typing	4	6	18	24	109	327

*Excludes certain classes such as Cooperative Education.

Sources: SER Computer Reports 3010, 3011, October 15, 1975; Office of the Dean of Educational Services.

TABLE IIg
CLASSES WITH TEN OR FEWER STUDENTS
WINDWARD COMMUNITY COLLEGE
FALL 1975

Subject Area	No. of Classes
TOTAL	8 (4.9%)
GENERAL & PRE-PROF ED COURSES	8
Interdisciplinary Studies	1
Health & Physical Education	5
Math	1
Music	1

Sources: SER Computer Report 3011B, October 15, 1975; Office of the Dean of Educational Services.

APPENDIX A
DEFINITIONS

1. COURSE: A unit of instruction consisting of recitations, lectures, laboratory sessions, etc., in a particular subject.

   Example: English 100

2. CLASS: A lecture section of one or more students meeting regularly for instruction in a lecture or seminar course.

   Example: Lecture section 39 of English 100

3. CREDIT HOURS: Credit or credit hour value assigned to each lecture section of each fixed credit course.

   Example: Three semester hours for lecture section 39 of English 100

4. STUDENT REGISTRATIONS: Number of students registered in each class, excluding students auditing the class.

   Example: 25 student registrations in lecture section 39 of English 100

5. STUDENT CREDIT HOURS: Sum of semester hours taken by all students registered in all classes, excluding auditors.

   Example: 75 student credit hours taken by 25 students in lecture section 39 of English 100 which is a three credit course

6. AVERAGE CLASS SIZE: Student registrations divided by number of classes. (Excludes classes and student registrations in classes such as directed studies, cooperative education.)

7. FTE FACULTY: FTE instructors employed on a full-time basis, counting the time of division chairman as two-third FTE; the position count of part-time instructors; and the FTE count of lecturers, instructors on overload and non-instructional staff teaching certain courses.

8. FULL-TIME EQUIVALENT OF: (1) "LECTURERS"; (2) INSTRUCTORS ON "OVERLOAD"; (3) AND "NON-INSTRUCTIONAL STAFF TEACHING CERTAIN COURSES":

   Number of semester hours taught by these three groups divided by 15 credits.

9. FTE STUDENTS: The conversion of full- and part-time students into full-time equivalent by dividing total SCH taken by 15 credits.

10. EQUIVALENT CREDITS for classes with variable credits:

    (a) Regular subject, self-paced classes: average SH (derived by dividing SCH by number of students).

    (b) Classes with catalog numbers 099, 199, 299: total SCH divided by 10 credit hours.

    (c) Cooperative vocational - liberal arts courses: 50 students = 15 credit hours.

11. WORKLOAD MEASUREMENTS:

    (a) Average credit hours taught: the quotient obtained by dividing credit hours taught by FTE faculty,
    e.g. $\frac{8,473 \text{ credits taught}}{647.5 \text{ faculty}} = 13.1$

    (b) Productivity ratio: the quotient obtained by dividing student credit hours (SCH) by FTE faculty,
    e.g. $\frac{229,573}{647.5} = 355$

UNIVERSITY OF CALIF.
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